

TENT COOPERATION TRE: /

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Assistant Commissioner for Patents
United States Patent and Trademark
Office
Box PCT
Washington, D.C.20231
ÉTATS-UNIS D'AMÉRIQUE

in its capacity as elected Office

Date of mailing:

02 September 1999 (02.09.99)

International application No.:

PCT/JP99/00896

Applicant's or agent's file reference:

H99-002

International filing date:

26 February 1999 (26.02.99)

Priority date:

27 February 1998 (27.02.98)

Applicant:

HORIMAI, Hideyoshi

1. The designated Office is hereby notified of its election made:



in the demand filed with the International preliminary Examining Authority on:

26 July 1999 (26.07.99)



in a notice effecting later election filed with the International Bureau on:

2. The election



was



was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Facsimile No.: (41-22) 740.14.35

Authorized officer:

J. Zahra

Telephone No.: (41-22) 338.83.38

TENT COOPERATION TRE Y

PCT

NOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

From the INTERNATIONAL BUREAU

To:

HOSHIMIYA, Katsumi
Toukou Building, 10th Floor
15-7, Shinjuku 5-chome
Shinjuku-ku
Tokyo 160-0022
JAPONDate of mailing (day/month/year)
27 April 2000 (27.04.00)Applicant's or agent's file reference
H99-002International application No.
PCT/JP99/00896

IMPORTANT NOTIFICATION

International filing date (day/month/year)
26 February 1999 (26.02.99)

1. The following indications appeared on record concerning:

☒ the applicant☒ the inventor☐ the agent☐ the common representative

Name and Address

HORIMAI, Hideyoshi
Woodpark Hon-atsugi 709
6-48, Tsumadahigashi 1-chome
Atsugi-shi
Kanagawa 243-0813
JapanState of Nationality
JPState of Residence
JPTelephone No.
0462-96-1333Facsimile No.
0462-96-1375

Teleprinter No.

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

☐ the person☐ the name☒ the address☐ the nationality☐ the residence

Name and Address

HORIMAI, Hideyoshi
Room 301
2032-2, Ooka
Numazu-Shi
Shizuoka 410-0022
JapanState of Nationality
JPState of Residence
JPTelephone No.
0559-29-7771Facsimile No.
0559-29-7772

Teleprinter No.

3. Further observations, if necessary:

4. A copy of this notification has been sent to:

☒ the receiving Office☐ the International Searching Authority☐ the International Preliminary Examining Authority☐ the designated Offices concerned☒ the elected Offices concerned☐ other:The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Authorized officer

Sean Taylor

Facsimile No.: (41-22) 740.14.35

Telephone No.: (41-22) 338.83.38

003248991

TENT COOPERATION TRL Y

PCT

NOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

From the INTERNATIONAL BUREAU

To:

HOSHIMIYA, Katsumi
Toukou Building, 10th Floor
15-7, Shinjuku 5-chome
Shinjuku-ku
Tokyo 160-0022
JAPON

Date of mailing (day/month/year)

27 April 2000 (27.04.00)

Applicant's or agent's file reference

H99-002

IMPORTANT NOTIFICATION

International application No.

PCT/JP99/00896

International filing date (day/month/year)

26 February 1999 (26.02.99)

1. The following indications appeared on record concerning:

☐

the applicant

☐

the inventor

☒

the agent

☐

the common representative

Name and Address

HOSHIMIYA, Katsumi
Yagyu Building 202
15-12, Shinjuku 1-chome
Shinjuku-ku
Tokyo 160-0022
Japan

State of Nationality

State of Residence

Telephone No.

03-5363-4581

Facsimile No.

03-5363-4582

Teleprinter No.

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

☐

the person

☐

the name

☒

the address

☐

the nationality

☐

the residence

Name and Address

HOSHIMIYA, Katsumi
Toukou Building, 10th Floor
15-7, Shinjuku 5-chome
Shinjuku-ku
Tokyo 160-0022
Japan

State of Nationality

State of Residence

Telephone No.

03-5363-4581

Facsimile No.

03-5363-4582

Teleprinter No.

3. Further observations, if necessary:

4. A copy of this notification has been sent to:

☒

the receiving Office

☐

the International Searching Authority

☐

the International Preliminary Examining Authority

☐

the designated Offices concerned

☒

the elected Offices concerned

☐

other:

The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Facsimile No.: (41-22) 740.14.35

Authorized officer

Sean Taylor

Telephone No.: (41-22) 338.83.38

003248990

TENT COOPERATION TRI Y

PCT

NOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

From the INTERNATIONAL BUREAU

To:

HOSHIMIYA, Katsumi
Yagyu Building 202
15-12, Shinjuku 1-chome
Shinjuku-ku
Tokyo 160-0022
JAPON

Date of mailing (day/month/year) 28 March 2000 (28.03.00)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference H99-002	
International application No. PCT/JP99/00896	
International filing date (day/month/year) 26 February 1999 (26.02.99)	

1. The following indications appeared on record concerning:

☒ the applicant
 ☐ the inventor
 ☐ the agent
 ☐ the common representative

Name and Address

 HRP LABORATORY INC.
 Unit 1202, 411 Hobron Lane
 Honolulu
 Hawaii 96815
 United States of America
 (for all designated States except US)

State of Nationality

US

State of Residence

US

Telephone No.

Facsimile No.

Teleprinter No.

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

☒ the person
 ☐ the name
 ☐ the address
 ☐ the nationality
 ☐ the residence

Name and Address

State of Nationality

State of Residence

Telephone No.

Facsimile No.

Teleprinter No.

3. Further observations, if necessary:

The applicant in Box 1 should be deleted from the record.

4. A copy of this notification has been sent to:

☒ the receiving Office☐ the International Searching Authority☐ the International Preliminary Examining Authority☐ the designated Offices concerned☒ the elected Offices concerned☐ other:
 The International Bureau of WIPO
 34, chemin des Colombettes
 1211 Geneva 20, Switzerland

Facsimile No.: (41-22) 740.14.35

Authorized officer

Shinji IGARASHI

Telephone No.: (41-22) 338.83.38

003194141

TENT COOPERATION TR Y

PCT

NOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

From the INTERNATIONAL BUREAU

To:

HOSHIMIYA, Katsumi
Yagyu Building 202
15-12, Shinjuku 1-chome
Shinjuku-ku
Tokyo 160-0022
JAPON

Date of mailing (day/month/year) 28 March 2000 (28.03.00)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference H99-002	
International application No. PCT/JP99/00896	International filing date (day/month/year) 26 February 1999 (26.02.99)

1. The following indications appeared on record concerning:

☒ the applicant ☒ the inventor ☐ the agent ☐ the common representative

Name and Address HORIMAI, Hideyoshi Woodpark Hon-atsugi 709 6-48, Tsumadahigashi 1-chome Atsugi-shi Kanagawa 243-0813 Japan (applicant for US and inventor for all designated States)	State of Nationality JP	State of Residence JP
	Telephone No. 0462-96-1333	
	Facsimile No. 0462-96-1375	
	Teleprinter No.	

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

☒ the person ☐ the name ☐ the address ☐ the nationality ☐ the residence

Name and Address HORIMAI, Hideyoshi Woodpark Hon-atsugi 709 6-48, Tsumadahigashi 1-chome Atsugi-shi Kanagawa 243-0813 Japan (applicant and inventor for all designated States)	State of Nationality JP	State of Residence JP
	Telephone No. 0462-96-1333	
	Facsimile No. 0462-96-1375	
	Teleprinter No.	

3. Further observations, if necessary:

4. A copy of this notification has been sent to:

<input checked="" type="checkbox"/> the receiving Office	<input type="checkbox"/> the designated Offices concerned
<input type="checkbox"/> the International Searching Authority	<input checked="" type="checkbox"/> the elected Offices concerned
<input type="checkbox"/> the International Preliminary Examining Authority	<input type="checkbox"/> other:

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Shinji IGARASHI
Facsimile No.: (41-22) 740.14.35	Telephone No.: (41-22) 338.83.38

INTERNATIONAL COOPERATION TREATY

PCT

NOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

From the INTERNATIONAL BUREAU

To:

HOSHIMIYA, Katsumi
Toukou Building, 10th Floor
15-7, Shinjuku 5-chome
Shinjuku-ku
Tokyo 160-0022
JAPON

Date of mailing (day/month/year) 30 May 2000 (30.05.00)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference H99-002	
International application No. PCT/JP99/00896	International filing date (day/month/year) 26 February 1999 (26.02.99)

1. The following indications appeared on record concerning:
- ☒ the applicant ☐ the inventor ☐ the agent ☐ the common representative

Name and Address

State of Nationality

State of Residence

Telephone No.

Facsimile No.

Teleprinter No.

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:
- ☒ the person ☐ the name ☐ the address ☐ the nationality ☐ the residence

Name and Address

State of Nationality

State of Residence

JP

JP

Telephone No.

Facsimile No.

Teleprinter No.

3. Further observations, if necessary:

The person in Box 2 should be included in the record as an applicant for all designated States except US.

4. A copy of this notification has been sent to:

☒ the receiving Office☐ the International Searching Authority☐ the International Preliminary Examining Authority☐ the designated Offices concerned☒ the elected Offices concerned☐ other:

The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Authorized officer

Shinji IGARASHI

Facsimile No.: (41-22) 740.14.35

Telephone No.: (41-22) 338.83.38

003319041

PCT INTERNATIONAL COOPERATION TREATY

PCT

NOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

From the INTERNATIONAL BUREAU

To:

HOSHIMIYA, Katsumi
Toukou Building, 10th Floor
15-7, Shinjuku 5-chome
Shinjuku-ku
Tokyo 160-0022
JAPAN

Date of mailing (day/month/year) 30 May 2000 (30.05.00)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference H99-002	
International application No. PCT/JP99/00896	International filing date (day/month/year) 26 February 1999 (26.02.99)

1. The following indications appeared on record concerning:

☒ the applicant☒ the inventor☐ the agent☐ the common representative

Name and Address

HORIMAI, Hideyoshi
Room 301
2032-2, Ooka
Numazu-shi
Shizuoka 410-0022
Japan
(applicant and inventor for all designated States)State of Nationality
JPState of Residence
JP

Telephone No.

Facsimile No.

Teleprinter No.

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

☒ the person☐ the name☐ the address☐ the nationality☐ the residence

Name and Address

HORIMAI, Hideyoshi
Room 301
2032-2, Ooka
Numazu-shi
Shizuoka 410-0022
Japan
(applicant for US and inventor for all designated
States)State of Nationality
JPState of Residence
JP

Telephone No.

Facsimile No.

Teleprinter No.

3. Further observations, if necessary:

4. A copy of this notification has been sent to:

☒ the receiving Office☐ the International Searching Authority☐ the International Preliminary Examining Authority☐ the designated Offices concerned☒ the elected Offices concerned☐ other:The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Facsimile No.: (41-22) 740.14.35

Authorized officer

Shinji IGARASHI

Telephone No.: (41-22) 338.83.38

003319251

TENT COOPERATION TRE Y

PCT

NOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

From the INTERNATIONAL BUREAU

To:

HOSHIMIYA, Katsumi
Yagyu Building 202
15-12, Shinjuku 1-chome
Shinjuku-ku
Tokyo 160-0022
JAPON

Date of mailing (day/month/year) 11 February 2000 (11.02.00)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference H99-002	
International application No. PCT/JP99/00896	International filing date (day/month/year) 26 February 1999 (26.02.99)

1. The following indications appeared on record concerning:

☒ the applicant
 ☐ the inventor
 ☐ the agent
 ☐ the common representative

Name and Address

State of Nationality

State of Residence

Telephone No.

Facsimile No.

Teleprinter No.

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

☒ the person
 ☐ the name
 ☐ the address
 ☐ the nationality
 ☐ the residence

Name and Address

 HRP LABORATORY INC.
 Unit 1202, 411 Hobron Lane
 Honolulu
 Hawaii 96815
 United States of America
 (for all designated States except US)

State of Nationality

US

State of Residence

US

Telephone No.

Facsimile No.

Teleprinter No.

3. Further observations, if necessary:

The person in Box 2 should be added to the record as an applicant for all designated States except US.

4. A copy of this notification has been sent to:

☒ the receiving Office
 ☐ the designated Offices concerned
☐ the International Searching Authority
 ☒ the elected Offices concerned
☐ the International Preliminary Examining Authority
 ☐ other:

 The International Bureau of WIPO
 34, chemin des Colombettes
 1211 Geneva 20, Switzerland

Facsimile No.: (41-22) 740.14.35

Authorized officer

Shinji IGARASHI

Telephone No.: (41-22) 338.83.38

003103770

TENT COOPERATION TRF Y

PCT

NOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

From the INTERNATIONAL BUREAU

To:

HOSHIMIYA, Katsumi
Yagyu Building 202
15-12, Shinjuku 1-chome
Shinjuku-ku
Tokyo 160-0022
JAPON

Date of mailing (day/month/year) 11 February 2000 (11.02.00)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference H99-002	
International application No. PCT/JP99/00896	International filing date (day/month/year) 26 February 1999 (26.02.99)

1. The following indications appeared on record concerning:

☒ the applicant
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 ☐ the common representative

Name and Address

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 Woodpark Hon-atsugi 709
 6-48, Tsumadahigashi 1-chome
 Atsugi-shi
 Kanagawa 243-0813
 Japan
 (applicant and inventor for all designated States)
State of Nationality
JPState of Residence
JPTelephone No.
0462-96-1333Facsimile No.
0462-96-1375

Teleprinter No.

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☒ the person
 ☐ the name
 ☐ the address
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 ☐ the residence

Name and Address

 HORIMAI, Hideyoshi
 Woodpark Hon-atsugi 709
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 Atsugi-shi
 Kanagawa 243-0813
 Japan
 (applicant for US and inventor for all designated States)
State of Nationality
JPState of Residence
JPTelephone No.
0462-96-1333Facsimile No.
0462-96-1375

Teleprinter No.

3. Further observations, if necessary:

4. A copy of this notification has been sent to:

☒ the receiving Office
 ☐ the International Searching Authority
 ☐ the International Preliminary Examining Authority
 ☐ the designated Offices concerned
 ☒ the elected Offices concerned
 ☐ other:

 The International Bureau of WIPO
 34, chemin des Colombettes
 1211 Geneva 20, Switzerland

Facsimile No.: (41-22) 740.14.35

Authorized officer

Shinji IGARASHI

Telephone No.: (41-22) 338.83.38

003103804

REC'D 20 DEC 1999

WIPO PCT


PCT

国際予備審査報告

(法第12条、法施行規則第56条)
[PCT36条及びPCT規則70]

出願人又は代理人 の書類記号 H99-002	今後の手続きについては、国際予備審査報告の送付通知(様式PCT/ IPEA/416)を参照すること。	
国際出願番号 PCT/JP99/00896	国際出願日 (日.月.年) 26.02.99	優先日 (日.月.年) 27.02.98
国際特許分類(IPC) Int.Cl.6 G11B 7/00, G11B7/135, G03H 1/12, G03H 1/26, G11C 13/04		
出願人(氏名又は名称) 堀 米 秀 嘉		

1. 国際予備審査機関が作成したこの国際予備審査報告を法施行規則第57条(PCT36条)の規定に従い送付する。
2. この国際予備審査報告は、この表紙を含めて全部で 4 ページからなる。
- ☐ この国際予備審査報告には、附属書類、つまり補正されて、この報告の基礎とされた及び/又はこの国際予備審査機関に対してした訂正を含む明細書、請求の範囲及び/又は図面も添付されている。
(PCT規則70.16及びPCT実施細則第607号参照)
この附属書類は、全部で _____ ページである。
3. この国際予備審査報告は、次の内容を含む。
- I ☒ 国際予備審査報告の基礎
- II ☐ 優先権
- III ☐ 新規性、進歩性又は産業上の利用可能性についての国際予備審査報告の不作成
- IV ☐ 発明の単一性の欠如
- V ☒ PCT35条(2)に規定する新規性、進歩性又は産業上の利用可能性についての見解、それを裏付けるための文献及び説明
- VI ☒ ある種の引用文献
- VII ☐ 国際出願の不備
- VIII ☐ 国際出願に対する意見

国際予備審査の請求書を受理した日 26.07.99	国際予備審査報告を作成した日 24.11.99	
名称及びあて先 日本国特許庁(IPEA/JP) 郵便番号100-8915 東京都千代田区霞が関三丁目4番3号	特許庁審査官(権限のある職員) 小山 和俊 	5Q 9742
電話番号 03-3581-1101 内線 3590		

I. 国際予備審査報告の基礎

1. この国際予備審査報告は下記の出願書類に基づいて作成された。(法第6条(PCT 14条)の規定に基づく命令に
応答するために提出された差し替え用紙は、この報告書において「出願時」とし、本報告書には添付しない。
PCT規則70.16, 70.17)

☒ 出願時の国際出願書類

- ☐ 明細書 第 _____ ページ、 出願時に提出されたもの
明細書 第 _____ ページ、 国際予備審査の請求書と共に提出されたもの
明細書 第 _____ ページ、 _____ 付の書簡と共に提出されたもの
- ☐ 請求の範囲 第 _____ 項、 出願時に提出されたもの
請求の範囲 第 _____ 項、 PCT 19条の規定に基づき補正されたもの
請求の範囲 第 _____ 項、 国際予備審査の請求書と共に提出されたもの
請求の範囲 第 _____ 項、 _____ 付の書簡と共に提出されたもの
- ☐ 図面 第 _____ ページ/図、 出願時に提出されたもの
図面 第 _____ ページ/図、 国際予備審査の請求書と共に提出されたもの
図面 第 _____ ページ/図、 _____ 付の書簡と共に提出されたもの
- ☐ 明細書の配列表の部分 第 _____ ページ、 出願時に提出されたもの
明細書の配列表の部分 第 _____ ページ、 国際予備審査の請求書と共に提出されたもの
明細書の配列表の部分 第 _____ ページ、 _____ 付の書簡と共に提出されたもの

2. 上記の出願書類の言語は、下記に示す場合を除くほか、この国際出願の言語である。

上記の書類は、下記の言語である _____ 語である。

- ☐ 国際調査のために提出されたPCT規則23.1(b)にいう翻訳文の言語
☐ PCT規則48.3(b)にいう国際公開の言語
☐ 国際予備審査のために提出されたPCT規則55.2または55.3にいう翻訳文の言語
3. この国際出願は、ヌクレオチド又はアミノ酸配列を含んでおり、次の配列表に基づき国際予備審査報告を行った。

- ☐ この国際出願に含まれる書面による配列表
☐ この国際出願と共に提出されたフレキシブルディスクによる配列表
☐ 出願後に、この国際予備審査(または調査)機関に提出された書面による配列表
☐ 出願後に、この国際予備審査(または調査)機関に提出されたフレキシブルディスクによる配列表
☐ 出願後に提出した書面による配列表が出願時における国際出願の開示の範囲を超える事項を含まない旨の陳述書の提出があった
☐ 書面による配列表に記載した配列とフレキシブルディスクによる配列表に記載した配列が同一である旨の陳述書の提出があった。

4. 補正により、下記の書類が削除された。

- ☐ 明細書 第 _____ ページ
☐ 請求の範囲 第 _____ 項
☐ 図面 図面の第 _____ ページ/図

5. ☐ この国際予備審査報告は、補充欄に示したように、補正が出願時における開示の範囲を越えてされたものと認められるので、その補正がされなかったものとして作成した。(PCT規則70.2(c) この補正を含む差し替え用紙は上記1.における判断の際に考慮しなければならず、本報告に添付する。)

V. 新規性、進歩性又は産業上の利用可能性についての法第12条（PCT35条(2)）に定める見解、それを裏付ける文献及び説明

1. 見解

新規性 (N)

請求の範囲 1 - 50 有
請求の範囲 無

進歩性 (IS)

請求の範囲 1 - 50 有
請求の範囲 無

産業上の利用可能性 (IA)

請求の範囲 1 - 50 有
請求の範囲 無

2. 文献及び説明 (PCT規則70.7)

VI. ある種の引用文献

1. ある種の公表された文書 (PCT規則70.10)

出願番号 特許番号	公知日 (日. 月. 年)	出願日 (日. 月. 年)	優先日 (有効な優先権の主張) (日. 月. 年)
JP, 10-124872, A "E,X", "E,A"	15.05.98	22.04.97	30.08.96
JP, 10-302293, A "E,X", "E,A"	13.11.98	22.04.97	

2. 書面による開示以外の開示 (PCT規則70.9)

書面による開示以外の開示の種類	書面による開示以外の開示の日付 (日. 月. 年)	書面による開示以外の開示に言及している 書面の日付 (日. 月. 年)
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EP

US

PCT

国際調査報告

(法8条、法施行規則第40、41条)

[PCT18条、PCT規則43、44]

出願人又は代理人 の書類記号 H99-002	今後の手続きについては、国際調査報告の送付通知様式(PCT/ISA/220)及び下記5を参照すること。		
国際出願番号 PCT/JP99/00896	国際出願日 (日.月.年) 26.02.99	優先日 (日.月.年) 27.02.98	
出願人(氏名又は名称) 堀米 秀嘉			

国際調査機関が作成したこの国際調査報告を法施行規則第41条(PCT18条)の規定に従い出願人に送付する。
この写しは国際事務局にも送付される。

この国際調査報告は、全部で 3 ページである。

☐ この調査報告に引用された先行技術文献の写しも添付されている。

1. 国際調査報告の基礎

a. 言語は、下記に示す場合を除くほか、この国際出願がされたものに基づき国際調査を行った。

☐ この国際調査機関に提出された国際出願の翻訳文に基づき国際調査を行った。

b. この国際出願は、ヌクレオチド又はアミノ酸配列を含んでおり、次の配列表に基づき国際調査を行った。

☐ この国際出願に含まれる書面による配列表

☐ この国際出願と共に提出されたフレキシブルディスクによる配列表

☐ 出願後に、この国際調査機関に提出された書面による配列表

☐ 出願後に、この国際調査機関に提出されたフレキシブルディスクによる配列表

☐ 出願後に提出した書面による配列表が出願時における国際出願の開示の範囲を超える事項を含まない旨の陳述書の提出があった。

☐ 書面による配列表に記載した配列とフレキシブルディスクによる配列表に記載した配列が同一である旨の陳述書の提出があった。

2. ☐ 請求の範囲の一部の調査ができない(第I欄参照)。

3. ☐ 発明の単一性が欠如している(第II欄参照)。

4. 発明の名称は ☒ 出願人が提出したものを承認する。

☐ 次に示すように国際調査機関が作成した。

5. 要約は ☒ 出願人が提出したものを承認する。

☐ 第III欄に示されているように、法施行規則第47条(PCT規則38.2(b))の規定により国際調査機関が作成した。出願人は、この国際調査報告の発送の日から1カ月以内にこの国際調査機関に意見を提出することができる。

6. 要約書とともに公表される図は、
第 1 図とする。 ☒ 出願人が示したとおりである。

☐ なし

☐ 出願人は図を示さなかった。

☐ 本図は発明の特徴を一層よく表している。

A. 発明の属する分野の分類 (国際特許分類 (IPC))

Int. Cl. 6 G11B7/00 , G11B7/135 ,
G03H1/22 , G03H1/26 , G11C13/04

B. 調査を行った分野

調査を行った最小限資料 (国際特許分類 (IPC))

Int. Cl. 6 G11B7/00-7/135 ,
G03H1/00-5/00 , G11C13/04

最小限資料以外の資料で調査を行った分野に含まれるもの

日本国実用新案公報 1922-1996年
日本国公開実用新案公報 1971-1999年
日本国登録実用新案公報 1994-1999年
日本国実用新案登録公報 1996-1999年

国際調査で使用した電子データベース (データベースの名称、調査に使用した用語)

C. 関連すると認められる文献

引用文献の カテゴリー*	引用文献名 及び一部の箇所が関連するときは、その関連する箇所の表示	関連する 請求の範囲の番号

☒ C欄の続きにも文献が列挙されている。☐ パテントファミリーに関する別紙を参照。

* 引用文献のカテゴリー

「A」 特に関連のある文献ではなく、一般的技術水準を示すもの
「E」 国際出願日前の出願または特許であるが、国際出願日以後に公表されたもの
「L」 優先権主張に疑義を提起する文献又は他の文献の発行日若しくは他の特別な理由を確立するために引用する文献 (理由を付す)
「O」 口頭による開示、使用、展示等に言及する文献
「P」 国際出願日前で、かつ優先権の主張の基礎となる出願

の日の後に公表された文献

「T」 国際出願日又は優先日後に公表された文献であつて出願と矛盾するものではなく、発明の原理又は理論の理解のために引用するもの

「X」 特に関連のある文献であつて、当該文献のみで発明の新規性又は進歩性がないと考えられるもの

「Y」 特に関連のある文献であつて、当該文献と他の1以上の文献との、当業者にとって自明である組合せによって進歩性がないと考えられるもの

「&」 同一パテントファミリー文献

国際調査を完了した日

02.06.99

国際調査報告の発送日

08.06.99

国際調査機関の名称及びあて先

日本国特許庁 (ISA/J P)
郵便番号100-8915
東京都千代田区霞が関三丁目4番3号

特許庁審査官 (権限のある職員)

小山 和俊



5 Q 9742

電話番号 03-3581-1101 内線 3590

C (続き) . 関連すると認められる文献		
引用文献の カテゴリー*	引用文献名 及び一部の箇所が関連するときは、その関連する箇所の表示	関連する 請求の範囲の番号
P, X	JP, 10-124872, A (ソニー株式会社) 15. 5月. 1998 (15. 95. 98) (ファミリーなし)	1-3, 6-9, 11, 28-36, 38-42, 44-48, 50
P, A		4, 5, 10, 13-27, 37, 43, 49
P, X	JP, 10-302293, A (ソニー株式会社) 13. 11月. 1998 (13. 11. 98)	1, 6, 28
P, A	(ファミリーなし)	2-5, 7-27, 29-50

PCT

REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

For receiving Office use only

International Application No.

International Filing Date

Name of receiving Office and "PCT International Application"

Applicant's or agent's file reference
(if desired) (12 characters maximum) H99-002

Box No. I TITLE OF INVENTION

APPARATUS AND METHOD FOR RECORDING OPTICAL INFORMATION, APPARATUS AND METHOD FOR REPRODUCING OPTICAL INFORMATION, APPARATUS FOR RECORDING/REPRODUCING OPTICAL INFORMATION, AND OPTICAL INFORMATION RECORDING MEDIUM

Box No. II APPLICANT

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

HORIMAI Hideyoshi
Woodpark Hon-atsugi 709,
6-48, Tsumadahigashi 1-chome,
Atsugi-shi, Kanagawa 243-0813, Japan

☒ This person is also inventor.

Telephone No.
0462-96-1333

Facsimile No.
0462-96-1375

Teleprinter No.

State (that is, country) of nationality:

JAPAN

State (that is, country) of residence:

JAPAN

This person is applicant for the purposes of:



all designated States



all designated States except the United States of America



the United States of America only



the States indicated in the Supplemental Box

Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

This person is:



applicant only



applicant and inventor



inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:

State (that is, country) of residence:

This person is applicant for the purposes of:



all designated States



all designated States except the United States of America



the United States of America only



the States indicated in the Supplemental Box

☐ Further applicants and/or (further) inventors are indicated on a continuation sheet.

Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE

The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:



agent



common representative

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

Telephone No.
03-5363-4581

HOSHIMIYA Katsumi
Yagyu Building 202,
15-12, Shinjuku 1-chome,
Shinjuku-ku, Tokyo 160-0022, Japan

Facsimile No.
03-5363-4582

Teleprinter No.

☐ Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

Box No. V DESIGNATION OF STATES (Double-click here if you want all the boxes on this page checked.)

The following designations are hereby made under Rule 4.9(a) (mark the applicable check-boxes; at least one must be marked):

Regional Patent

- ☐ **AP** **ARIPO Patent:** GH Ghana, GM Gambia, KE Kenya, LS Lesotho, MW Malawi, SD Sudan, SL Sierra Leone, SZ Swaziland, TZ United Republic of Tanzania, UG Uganda, ZW Zimbabwe, and any other State which is a Contracting State of the Harare Protocol and of the PCT
- ☒ **EA** **Eurasian Patent:** AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakhstan, MD Republic of Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT
- ☒ **EP** **European Patent:** AT Austria, BE Belgium, CH and LI Switzerland and Liechtenstein, CY Cyprus, DE Germany, DK Denmark, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, SE Sweden, and any other State which is a Contracting State of the European Patent Convention and of the PCT
- ☐ **OA** **OAPI Patent:** BF Burkina Faso, BJ Benin, CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon, GA Gabon, GN Guinea, GW Guinea-Bissau, ML Mali, MR Mauritania, NE Niger, SN Senegal, TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT (if other kind of protection or treatment desired, specify on dotted line)

National Patent (if other kind of protection or treatment desired, specify on dotted line):

- | | |
|---|---|
| <input type="checkbox"/> AE United Arab Emirates | <input type="checkbox"/> LK Sri Lanka |
| <input type="checkbox"/> AL Albania | <input type="checkbox"/> LR Liberia |
| <input type="checkbox"/> DZ Algeria | <input type="checkbox"/> LS Lesotho |
| <input type="checkbox"/> AG Antigua and Barbuda | <input type="checkbox"/> LT Lithuania |
| <input type="checkbox"/> AM Armenia | <input type="checkbox"/> LU Luxembourg |
| <input type="checkbox"/> AT Austria | <input type="checkbox"/> LV Latvia |
| <input checked="" type="checkbox"/> AU Australia | <input type="checkbox"/> MA Morocco |
| <input type="checkbox"/> AZ Azerbaijan | <input type="checkbox"/> MD Republic of Moldova |
| <input type="checkbox"/> BA Bosnia and Herzegovina | <input type="checkbox"/> MG Madagascar |
| <input type="checkbox"/> BB Barbados | <input type="checkbox"/> MK The former Yugoslav Republic of Macedonia |
| <input type="checkbox"/> BG Bulgaria | <input type="checkbox"/> MN Mongolia |
| <input type="checkbox"/> BR Brazil | <input type="checkbox"/> MW Malawi |
| <input type="checkbox"/> BY Belarus | <input checked="" type="checkbox"/> MX Mexico |
| <input checked="" type="checkbox"/> CA Canada | <input type="checkbox"/> NO Norway |
| <input type="checkbox"/> CH and LI Switzerland and Liechtenstein | <input type="checkbox"/> NZ New Zealand |
| <input checked="" type="checkbox"/> CN China | <input type="checkbox"/> PL Poland |
| <input type="checkbox"/> CR Costa Rica | <input type="checkbox"/> PT Portugal |
| <input type="checkbox"/> CU Cuba | <input type="checkbox"/> RO Romania |
| <input type="checkbox"/> CZ Czech Republic | <input type="checkbox"/> RU Russian Federation |
| <input type="checkbox"/> DE Germany | <input type="checkbox"/> SD Sudan |
| <input type="checkbox"/> DK Denmark | <input type="checkbox"/> SE Sweden |
| <input type="checkbox"/> DM Dominica | <input checked="" type="checkbox"/> SG Singapore |
| <input type="checkbox"/> EE Estonia | <input type="checkbox"/> SI Slovenia |
| <input type="checkbox"/> ES Spain | <input type="checkbox"/> SK Slovakia |
| <input type="checkbox"/> FI Finland | <input type="checkbox"/> SL Sierra Leone |
| <input type="checkbox"/> GB United Kingdom | <input type="checkbox"/> TJ Tajikistan |
| <input type="checkbox"/> GD Grenada | <input type="checkbox"/> TM Turkmenistan |
| <input type="checkbox"/> GE Georgia | <input type="checkbox"/> TR Turkey |
| <input type="checkbox"/> GH Ghana | <input type="checkbox"/> TT Trinidad and Tobago |
| <input type="checkbox"/> GM Gambia | <input type="checkbox"/> TZ United Republic of Tanzania |
| <input type="checkbox"/> HR Croatia | <input type="checkbox"/> UA Ukraine |
| <input type="checkbox"/> HU Hungary | <input type="checkbox"/> UG Uganda |
| <input checked="" type="checkbox"/> ID Indonesia | <input checked="" type="checkbox"/> US United States of America |
| <input type="checkbox"/> IL Israel | <input type="checkbox"/> UZ Uzbekistan |
| <input type="checkbox"/> IN India | <input type="checkbox"/> VN Viet Nam |
| <input type="checkbox"/> IS Iceland | <input type="checkbox"/> YU Yugoslavia |
| <input type="checkbox"/> JP Japan | <input type="checkbox"/> ZA South Africa |
| <input type="checkbox"/> KE Kenya | <input type="checkbox"/> ZW Zimbabwe |
| <input type="checkbox"/> KG Kyrgyzstan | |
| <input type="checkbox"/> KP Democratic People's Republic of Korea | |
| <input checked="" type="checkbox"/> KR Republic of Korea | |
| <input type="checkbox"/> KZ Kazakhstan | |
| <input type="checkbox"/> LC Saint Lucia | |

Check-boxes reserved for designating States which have become party to the PCT after issuance of this sheet:

- ☐
- ☐

Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except the designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)

Supplemental Box If the Supplemental Box is not used, this sheet should not be included in the request.

1. If, in any of the Boxes, the space is insufficient to furnish all the information: in such case write "Continuation of Box No. ..." [indicate the number of the Box] and furnish the information in the same manner as required according to the captions of the Box in which the space was insufficient, in particular:

- (i) if more than two persons are involved as applicants and/or inventors and no "continuation sheet" is available: in such case, write "Continuation of Box No. III" and indicate for each additional person the same type of information as required in Box No. III. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below;
- (ii) if, in Box No. II or in any of the sub-boxes of Box No. III, the indication "the States indicated in the Supplemental Box" is checked: in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the applicant(s) involved and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is applicant;
- (iii) if, in Box No. II or in any of the sub-boxes of Box No. III, the inventor or the inventor/applicant is not inventor for the purposes of all designated States or for the purposes of the United States of America: in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the inventor(s) and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is inventor;
- (iv) if, in addition to the agent(s) indicated in Box No. IV, there are further agents: in such case, write "Continuation of Box No. IV" and indicate for each further agent the same type of information as required in Box No. IV;
- (v) if, in Box No. V, the name of any State (or OAPI) is accompanied by the indication "patent of addition," or "certificate of addition," or if, in Box No. V, the name of the United States of America is accompanied by an indication "continuation" or "continuation-in-part": in such case, write "Continuation of Box No. V" and the name of each State involved (or OAPI), and after the name of each such State (or OAPI), the number of the parent title or parent application and the date of grant of the parent title or filing of the parent application;
- (vi) if, in Box No. VI, there are more than three earlier applications whose priority is claimed: in such case, write "Continuation of Box No. VI" and indicate for each additional earlier application the same type of information as required in Box No. VI;
- (vii) if, in Box No. VI, the earlier application is an ARIPO application: in such case, write "Continuation of Box No. VI", specify the number of the item corresponding to that earlier application and indicate at least one country party to the Paris Convention for the Protection of Industrial Property for which that earlier application was filed.

2. If, with regard to the precautionary designation statement contained in Box No. V, the applicant wishes to exclude any State(s) from the scope of that statement: in such case, write "Designation(s) excluded from precautionary designation statement" and indicate the name or two-letter code of each State so excluded.

3. If the applicant claims, in respect of any designated Office, the benefits of provisions of the national law concerning non-prejudicial disclosures or exceptions to lack of novelty: in such case, write "Statement concerning non-prejudicial disclosures or exceptions to lack of novelty" and furnish that statement below.

(4) JAPAN
08.05.98
10-142323

Box No. VI PRIORITY CLAIM
☐ Further priority claims are indicated in the Supplemental Box.

Filing date of earlier application (day/month/year)	Number of earlier application	Where earlier application is:		
		national application: country	regional application: * regional Office	international application: receiving Office
item (1) 27.02.98	10-46754	JAPAN		
item (2) 08.05.98	10-142321	JAPAN		
item (3) 08.05.98	10-142322	JAPAN		

☐ The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) (only if the earlier application was filed with the Office which for the purposes of the present international application is the receiving Office) identified above as item(s): _____

* Where the earlier application is an ARIPO application, it is mandatory to indicate in the Supplemental Box at least one country party to the Paris Convention for the Protection of Industrial Property for which that earlier application was filed (Rule 4.10(b)(ii)). See Supplemental Box.

Box No. VII INTERNATIONAL SEARCHING AUTHORITY

Choice of International Searching Authority (ISA)
(if two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used):

ISA / JP

Request to use results of earlier search: reference to that search (if an earlier search has been carried out by or requested from the International Searching Authority):

Date (day/month/year) Number Country (or regional Office)

Box No. VIII CHECK LIST; LANGUAGE OF FILING

This international application contains the following number of sheets:

request :4
description (excluding
sequence listing part) :86
claims :11
abstract :1
drawings :53
sequence listing part
of description :0
Total number of sheets :155

This international application is accompanied by the item(s) marked below:

1. ☒ fee calculation sheet
2. ☒ separate signed power of attorney
3. ☐ copy of general power of attorney; reference number, if any:
4. ☐ statement explaining lack of signature
5. ☐ priority document(s) identified in Box No. VI as item(s):
6. ☐ translation of international application into (language):
7. ☐ separate indications concerning deposited microorganism or other biological material
8. ☐ nucleotide and/or amino acid sequence listing in computer readable form
9. ☐ other (specify):

Figure of the drawings which should accompany the abstract: 1

Language of filing of the
international application: Japanese

Box No. IX SIGNATURE OF APPLICANT OR AGENT

Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request).

HOSHIMIYA Katsumi
Yagyu Building 202,
15-12, Shinjuku 1-chome,
Shinjuku-ku, Tokyo 160-0022, Japan

For receiving Office use only

1. Date of actual receipt of the purported international application:	2. Drawings: <input type="checkbox"/> received: <input type="checkbox"/> not received:
3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:	
4. Date of timely receipt of the required corrections under PCT Article 11(2):	
5. International Searching Authority (if two or more are competent): ISA / JP	
6. <input type="checkbox"/> Transmittal of search copy delayed until search fee is paid	

For International Bureau use only

Date of receipt of the record copy
by the International Bureau: